

EUROPEAN SOCIETY OF PATHOLOGY – ELECTRON MICROSCOPY WORKING GROUP

Chair: Giovanna Cenacchi, Italy

Co-chair: Dolores Naranjo-Hans, Spain

ACTIVITY REPORT

BUSINESS MEETING OF THE ESP ELECTRON MICROSCOPY WORKING GROUP (WEDNESDAY, NOVEMBER 25TH, 2020)

Eight members joined the meeting, and first of all, Dr Cenacchi informed our colleagues members of the EMWG that the meeting would be recorded as instructed by the ESP instructions. After introducing ourselves, Dr Cenacchi began the meeting with a summary of the issues to discuss that were:

1. Activities since Nice 2019
2. Upcoming events
3. European Congress of Pathology 2021 in Gothenburg
4. ESP educational activities
5. Working group leadership
6. Miscellaneous / other

About activities done in Nice 2019, we discussed the interesting sessions we organized that were a **Joint Symposium of Neuropathology and Electron Microscopy, titled “Storage diseases and Neuropathology: diagnosis and new treatment strategies”**, and a **Slide Seminar of Nephropathology and Electron Microscopy, titled “Electron Microscopy differential diagnosis of glomerular deposits”**. We commented the importance of keeping a close relationship with those pathology subspecialties in which EM is and will always be an important diagnostic tool such as Nephropathology.

Regarding upcoming events, due to the proximity of the 32th congress of the ESP, we centered the discussion in the session that was scheduled on 07 December 2020 at 13:45, a **Joint Slide Seminar of Nephropathology and Electron Microscopy focused on Challenging Renal Biopsies**. The chairs of the session were Dr Ian Roberts from the United Kingdom and Dr Giovanna Cenacchi from Italy. Six interesting cases were presented by Candice Roufosse (United Kingdom), Maria Soares (United Kingdom), Agnieszka Perkowska-Ptasinska (Poland), Hariklia Gakiopoulou

(Greece), Naomi Simmonds (United Kingdom) and Petar Senjug, (Croatia). We also received and evaluated a few studies which were presented as e-poster or poster:

E- Poster: **Review and case presentation: the value of tubuloreticular inclusions (identified with electron microscopy) in the diagnosis and management of connective tissue autoimmune diseases.** Ali Al-Omari, United Kingdom

Poster: **Ultrastructural features of angiogenesis in invasive carcinoma of no special type.** Darya Kushch, Russian Federation.

Poster: **Ultrastructural and immunohistochemical evaluation of breast cancer fibroblasts.** Maxim Mnikhovich, Russian Federation.

Poster: **Ultrastructural diagnosis of neonatal herpes simplex virus infection presenting as fulminant hepatitis.** Valentina Papa, Italy.

About the next upcoming ECP congress in Gothenburg 2021, Dr Cenacchi informed the present members of the proposals that have been submitted for consideration and eventual approval of the Executive Committee:

- **Slide Seminar. Ophthalmic Pathology and Electron Microscopy.**
- **Joint Session. Infectious diseases and Electron Microscopy.**
- **Joint Slide Seminar. Pulmonary Pathology, Affiliated Society of Cardiovascular Pathology and Electron Microscopy.** Intriguing cases in Cardio-Thoracic Pathology: the contributive role of Electron Microscopy.
- **Joint Session. Nephropathology and Electron Microscopy.** Electron Microscopy contribution to kidney biopsy diagnostics. Focusing on cells and compartments (podocytes, endothelial cells...), GBM pathology (changes of the GBM in various glomerular diseases), deposits and fibrils (unstructured and structured) and Beyond 10.000x (subcellular structures, viruses...).

Regarding Educational Activities, we discussed the importance and utility of courses and sessions centered in basic procedures and techniques in Electron Microscopy not only focused on pathologist and trainees but also on technicians.

About the Leadership of the group, Dr Cenacchi proposed the renewal of the actual Chair (Dr Cenacchi) and co-chair (Dr Naranjo-Hans) for the next two years and kindly requested all the members to make a votation via e-mail. The votation was performed in the next few days and an agreement was achieved reaching the minimum of 15 votes.

Taking in consideration all the kind contributions and comments of the members of the group, we have proposed two short courses which may be scheduled this year, one before and one after the next ECP congress in Gothenburg:

- **Technical aspects, methodology and protocols in TEM for Ultrastructural diagnosis.**
- **Interpretation of Elementary Ultrastructural diagnostic images. Cell and Tissue alterations by Electron Microscopy.**

This summarizes the activities of the Electron Microscopy Working Group.

We remain ready to provide any further information that may be required.

Respectfully submitted.

Dr Giovanna Cenacchi
Chair of the EMWG

Dr Naranjo-Hans
Co-Chair of the EMWG

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